INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34258

A. CLASSIFICATION OF SUBJECT MATTER				
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B65G 43/00				
US CL : 198/323				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 198/323, 322, 502.4, 810.01 and 810.02				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
Electronic data base consulted during the international scatch (name of data base and, where practicable, scatch terms used)				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Category * Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
Α.	A US 4,765,456 A (Bower) 23 August 1988 (23.08.1988), all			
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A US 5,076,568 A (de Jong et al) 31 December 1991 (31.12.1991), all				1-23
770 5 000 554 4 677 11 11 11 11 15 Palmana 1002 (25 02 1002) 11			1-23	
A	A US 5,090,551 A (Yasuhara et al) 25 February 1992 (25.02.1992), all			1-25
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Further documents are listed in the continuation of Box C. See patent family annex.				
* .	Special categories of cited documents:	"T"	later document published after the int date and not in conflict with the appli	
"A" docume	nt defining the general state of the art which is not considered to be		principle or theory underlying the inv	
	cular relevance	"X"	document of particular relevance; the	claimed invention cannot be
"E" earlier	application or patent published on or after the international filing date	44	considered novel or cannot be considered	
-	nt which may throw doubts on priority claim(s) or which is cited to		when the document is taken alone	
"L" docume	h the publication date of another citation or other special reason (as	"Y"	document of particular relevance; the	
specifie			considered to involve an inventive ste combined with one or more other suc	
"O" docume	nt referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the	
	nt published prior to the international filing date but later than the	"&"	document member of the same patent	family
priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report				
Sale of the actual completion of the international scarcit				
21 April 2004 (21.04.2004)				
Name and mailing address of the ISA/US Authorized officer				
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Commissioner for Faterias				
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